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(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 101

(43) Date of publication of application: 07

(51) Int. Cl C09D 11/00
 B41J 2/01, C09B 55/00

(21) Application number: 08347621
 (22) Date of filing: 26.12.1996

(54) INK JET RECORDING LIQUID

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain an ink jet recording liquid being not problematic in nozzle plugging and improved in delivery stability, water resistance and light resistance by using a specified dye containing a sulfo group and a ballast group.

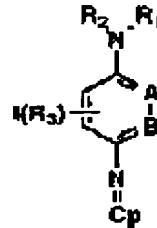
SOLUTION: A dye in an amount of 0.1-25 mol.% having at least one sulfo group and a 10C or higher ballast group and represented by the formula (wherein R₁ and R₂ are each an alkyl or an aryl; R₃ is H or a substituent; one of A and B is N, and the other is C-R₄; R₄ is H or an alkyl; and C_p is a compound which can be coupled with a p-phenylenediamine structure developing agent in an oxidized form) is mixed with at least

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10wt.% water, 5-60wt.% water-soluble org; and optionally a phase change solvent suc wax or a polyethylene wax derivative, a vis ifier, a film-forming agent, a dispersant, a : sion modifier, a resistivity modifier, a surf to obtain an ink jet recording liquid having of 40cP or below and a surface tension of 2 above.

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